

**CLAIMS**

1. Use of metronidazole for the preparation of a pharmaceutical composition for treating pathologies involving at least one receptor chosen from the group comprising the IL-8RB receptor and the PAC-1 receptor.  
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2. Use according to Claim 1, characterized in that metronidazole modulates the binding of at least one natural ligand to its receptor, the said receptor being chosen from the group comprising the IL-8RB receptor and the PAC-1 receptor.  
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3. Use according to Claim 1 or 2, characterized in that the pathology involving at least one receptor chosen from the group comprising the IL-8RB receptor and the PAC-1 receptor is rosacea.  
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4. Use according to any one of Claims 1 to 3, characterized in that the said pharmaceutical composition is a dermatological composition for topical application.  
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5. Use according to any one of Claims 1 to 4, characterized in that the composition is for treating at least one stage of rosacea.  
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6. Use according to any one of Claims 1 to 5, characterized in that the composition is for treating the first stage of rosacea.  
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7. Use according to any one of Claims 1 to 6, characterized in that the composition is for treating the second stage of rosacea.  
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8. Use according to any one of Claims 1 to 7, characterized in that the composition is for treating the third stage of rosacea.

9. Use according to any one of Claims 1 to 8, characterized in that the composition is for treating the fourth stage of rosacea.

5 10. Use according to any one of Claims 1 to 9, characterized in that the composition contains from about 0.0001% to 20% of metronidazole, preferably from 0.1% to 2% of metronidazole, and more preferentially from about 0.75% to 1% by weight of metronidazole.

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11. Use according to any one of Claims 1 to 10, characterized in that the said composition also contains another active agent chosen from the group of antibiotics, antibacterial agents, antiviral agents, 15 anti-parasitic agents, antifungal agents, anaesthetics, analgesics, anti-allergic agents, retinoids, free-radical scavengers, anti-pruriginous agents, keratolytic agents, anti-seborrhoeic agents, antihistamines, sulfides, immunosuppressant products 20 and anti-proliferative products.

12. Use according to any one of Claims 1 to 11, characterized in that the composition contains an additive chosen from the group of sequestrants, 25 antioxidants, sunscreens, preserving agents, fillers, electrolytes, humectants, colorants common mineral or organic acids or bases, fragrances, essential oils, cosmetic active agents, moisturizers, vitamins, essential fatty acids, sphingolipids, self-tanning 30 compounds, skin calmative and protective agents, pro-penetrating agents and gelling agents, or a mixture thereof.